L.L.Bean

0GKF5
Explorer Altimeter/Barometer
USER MANUAL

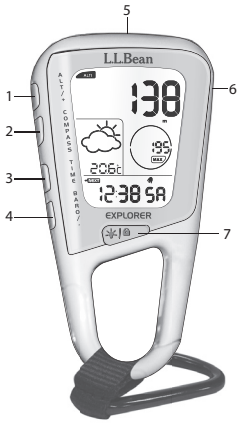
IMPORTANT

- The measurement functions built into the 0GKF5 are not meant to substitute professional measurement or industrial precision devices. Values produced by this device should be considered as reasonable representations only.
- The product's baro-compensation technology treats significant (i.e. 1mb change in air pressure within 15 minutes) changes in air pressure as altitude changes, and smaller air pressure variance as barometric pressure changes. To ensure optimal performance of your product, follow the below guidelines:

  Initial Calibration: Upon activation of your device, use an altitude benchmark (topographical map or Internet reference) to set your initial altitude.

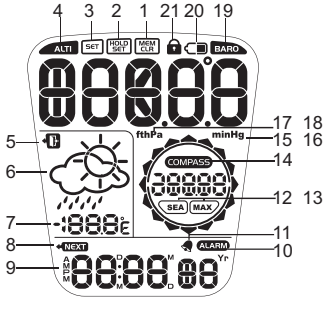
  Frequent Altitude Calibration During Use: For maximum accuracy, it is strongly recommended that the unit be calibrated daily. More frequent calibration may be needed in times of changing weather. Because the device uses barometric pressure to determine altitude, it is important to calibrate the device to a known altitude value. Objects such as trail signs or topographical maps can be used as reference sources for altitude values.
- The 0GKF5 carabineer is not designed for mountain climbing. Always make sure to use a professional carabineer when mountain climbing. L.L. Bean will assume no responsibility for any injuries or fatalities arising from improper use of the carabineer.
- L.L. Bean assumes no responsibility for any loss, or any claims by third parties that may arise through the use of this device.

CONTROL BUTTONS



1. **ALT / +:** Enter altitude setting mode; increase values
2. **COMPASS:** Display compass bearing and cardinal points; enter compass setting mode; quit any setting mode
3. **TIME:** Toggle display between time, date and alarm; enter time / alarm setting mode
4. **BARO / -:** Enter barometer setting mode; decrease values
5. LED light
6. : Turn on the LED light
7. : Turn on the backlight; lock / unlock keys

LCD



1. MEM CLR : Appears when option is given to clear altitude memory
2. HOLD SET : Smart indicator, press and hold to set
3. SET : Smart indicator, press to set
4. ALTI : Appears when in Altimeter mode
5. : Smart indicator to quickly exit
6. Weather forecast
7. Temperature
8. NEXT : Smart indicator to move to next option
9. A P M/M : Indicates the time of day
10. ALARM : Appears when in Alarm mode accessed
11. : Appears when alarm is activated
12. MAX : Indicates maximum possible altitude
13. SEA : Appears when sea level pressure is shown
14. COMPASS : Appears when in Compass mode
15. **inHg** : Imperial unit of pressure
16. **m** : Metric unit of altitude
17. **hPa** : Metric unit of pressure
18. **ft** : Imperial unit of altitude
19. BARO : Appears when in Barometer mode
20. : Low battery
21. : Keypad is locked

GETTING STARTED

TURN ON DEVICE (FIRST-TIME USE ONLY)

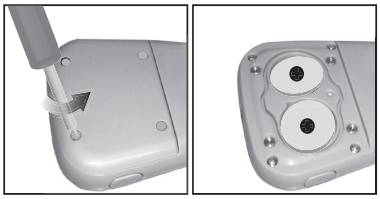
Press and hold **TIME** until LCD display is activated.

GETTING STARTED

RA123 uses 2 x CR2032 lithium battery, which is included inside the package. See below for battery warnings.

LOW BATTERY ICON	DESCRIPTION
	The device battery is low.

To install or replace battery:



1. Use a Phillips screwdriver to unscrew the lid of the battery compartment.
2. Remove the old battery, in case of replacing battery and insert the new one matching the polarities.
3. Replace the lid using a Phillips screwdriver, screw until firmly in place.

⚠ CAUTION : When battery is replaced it is important to recalibrate the compass's magnetic sensor.

⚠ CAUTION : While low battery is displayed, instant altitude, maximum altitude, air pressure, sea level pressure, temperature and compass values show "--". It will return to normal once battery is replaced.

OPERATION

OPERATING MODES

Press **TIME** to switch between:

Time mode	Date mode	Alarm mode

Press **ALT/+, COMPASS, BARO/-** to switch between:

Altimeter mode	Compass mode	Barometer mode

BACKLIGHT / KEYPAD LOCK / LED LIGHT

TO ACTIVATE BACKLIGHT / KEYPAD LOCK / LED LIGHT

Press to turn backlight ON for 3 seconds.

NOTE The backlight and LED functions will not operate while the low battery icon is displayed and it will return to normal once battery has been replaced.

To toggle keypad lock ON / OFF:

Press and hold for 2 seconds. indicates keypad is locked.

To turn on LED light:

Press .

ALTIMETER AND BAROMETER

ABOUT THE ALTIMETER-BAROMETER

The altimeter measures altitude in either metres or feet. The device is equipped with an intelligent barometer that determines altitude by the built-in sensor with the advanced Baro-compensation technology. It also distinguishes the differences between pressure caused by the changes in physical altitudes and pressure caused by weather conditions. This eliminates discrepancies and makes the altimeter more accurate than most of the average devices available on the market. Maximum altitude and instant sea level pressure readings are also provided.

TO SET AND RESET ALTIMETER

The altitude is measured from the moment you switch on the device. It will supply you with both barometer readings as well as the sea level pressure readings. For normal performance, suggest to set the altimeter level referring to the current position for each time of altimeter measures.

To set and reset altimeter:

1. Press **ALT / +** to navigate to altimeter mode.
2. Press and hold **ALT / +** to navigate to enter settings.
3. Press **ALT / +** or **BARO / -** to change setting.
4. Press **TIME** to confirm and move to the next setting. The setting options are as follows: adjust altitude; reset maximum altitude.
5. Press **TIME** to confirm.

TO SET SEA LEVEL PRESSURE AND WEATHER FORECAST ICONS

1. Press **BARO / -** to navigate to barometer mode.
2. Press and hold **BARO / -** to enter settings.
3. Press **ALT / +** or **BARO / -** to change setting.
4. Press **TIME** to confirm and move to the next setting. The setting options are as follows: adjust sea level pressure; toggle weather forecast icons.
5. Press **TIME** to confirm.

NOTE When sea level pressure is changed, the altitude will adjust itself accordingly.

TIME MODE

TO SET THE TIME / DATE

1. Press **TIME** to navigate to Time mode.
2. Press and hold **TIME** to enter settings.
3. Press **ALT / +** or **BARO / -** to change setting.
4. Press **TIME** to confirm and move to the next setting. The setting options are as follows: 12 / 24-hour time; hour; minute; year; day-month / month-day; month; day; temperature; altitude and barometer measurement units.
5. Press **TIME** to confirm.

NOTE If no key is pressed for 30 seconds, the display will return to previous mode.

TO SET THE ALARM

1. Press **TIME** to navigate to Alarm mode.
2. Press and hold **TIME** to enter settings.
3. Press **ALT / +** or **BARO / -** to change setting.
4. Press **TIME** to confirm and move to the next setting. The setting options are as follows: hour; minute; alarm ON / OFF.
5. Press **TIME** to confirm.

indicates that the alarm has been activated.

NOTE When the alarm clock is activated, it will sound at the set time every day. Press any button to stop the alarm for that day. The alarm clock is still active and will set off again the following day.

COMPASS

ABOUT THE COMPASS

The compass shows the bearing in degrees due North together with 16 cardinal points. The out circumference of the display consists of 16 arrows that graphically indicate North. The last lit segment indicates North as shown below.

TO VIEW COMPASS

Press **COMPASS** to navigate to the Compass mode.

NOTE The compass display is active for 30 seconds at a time. After this, the display will go back to the previous mode.

⚠ CAUTION : Always take bearings in the open air, not inside buildings, tents, caves and other shelters.

⚠ CAUTION : Compass readings should be performed away from magnetic materials. Avoid large magnetic objects, power lines, loud speakers, electric motors, etc.

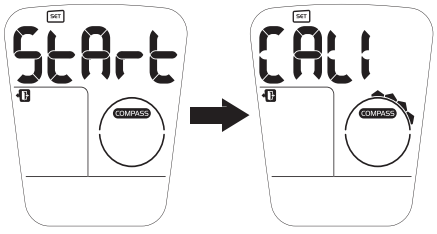
COMPASS SENSOR CALIBRATION

Before the compass is first used, we recommend that you calibrate the compass sensor.

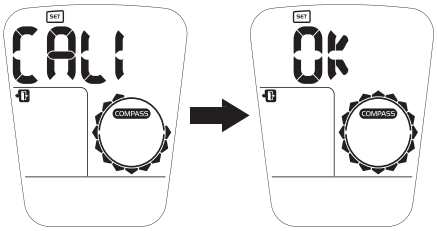
To calibrate the compass sensor:

1. Press **COMPASS** to navigate to the Compass mode.
2. Press and hold **COMPASS** to enter settings mode.
3. Press **ALT / +** or **BARO / -** to navigate to Calibration mode.

4. Press **TIME** to begin calibration of the compass.



5. Rotate the watch counter clockwise at the same speed as the moving segments around the circumference of the display. The rotation will be finished once you have performed 1 ¼ turns and the display will appear as shown below:



⚠ CAUTION : The compass should be calibrated:

- Before you use it the first time
- When the battery is replaced
- Before you leave for an extended outdoor activity
- Whenever it is exposed to strong magnetic sources, extreme cold, or you suspect that the environmental conditions have affected the compass readings.
- If you notice the compass is not showing the direction correctly.

DECLINATION ANGLE

Declination is the angle between where a compass needle points (magnetic North Pole) and the true North Pole. The declination angle can vary from 0-30 degrees East (E) or West (W) and can be found on most maps or on the Internet.

For declinations in the United States:

http://www.ngdc.noaa.gov/seg/geomag/jsp/Declination.jsp

1. Enter your zip code in the area provided
2. Click “Get Location”
3. Scroll down and click “Compute”

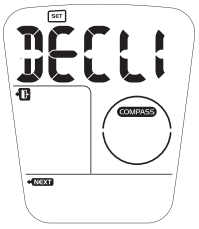
For declinations in Canada:

http://www.geolab.nrcan.gc.ca/geomag/apps/mdcal_e.php

When you set the declination angle on the compass you compensate for the difference between true and magnetic north. This makes the compass reading more accurate.

To set the declination angle:

1. Press **COMPASS** to navigate to Compass mode.
2. Press and hold **COMPASS** to enter settings mode.
3. Press **ALT / +** or **BARO / -** to navigate to Declination mode.



4. Press **TIME** to confirm and move to the next setting.
5. Press **ALT / +** or **BARO / -** to change setting. The setting options are as follows: ON / OFF; WEST/EAST (only if ON is selected); degree of declination angle.
6. Press **TIME** to confirm.

TIP Press **COMPASS** anytime to quickly exit.

TRUE NORTH CALIBRATION

When you do not know the declination angle, the true north calibration function can be used to compensate for the difference between magnetic and true north. All you need to know is the direction of true north (this can be found from landmarks in your immediate vicinity). Setting the true north calibration makes the compass reading more accurate.

To set True North calibration:

1. Press and hold **COMPASS** to enter settings mode.
2. Press **ALT / +** or **BARO / -** to navigate to North mode.

3. Press **TIME** to confirm and move to the next setting.
4. Press **ALT / +** or **BARO / -** to change setting. The setting options are as follows: ON / OFF; point to true north.
5. Press **TIME** to confirm.

⚠ CAUTION : If the declination angle is turned ON, the True north function will automatically turn itself OFF and vice-versa.

TIP Press **COMPASS** anytime to quickly exit.

SPECIFICATIONS

Real time clock	12/24 hour with hour / minute / second
Thermometer measuring range	-10°C to 60°C (14°F to 140°F)
Resolution	0.1°C / 0.2°F
Power	2 x CR2032 lithium batteries
Operating temperature	-5°C to 50°C (23°F to 122°F)
Storage temperature	20°C to 70°C (- 4°F t o 158°F)

PRECAUTIONS

To ensure you use your product correctly and safely, read these warnings and the entire user manual before using the product:

- Use a soft, slightly moistened cloth. Do not use abrasive or corrosive cleaning agents, as these may cause damage. Use luke warm water and mild soap to clean the watch and chest belt thoroughly after each training session. Never use the products in hot water or store them when wet.
- Do not subject the product to excessive force, shock, dust, temperature changes, or humidity. Never expose the product to direct sunlight for extended periods. Such treatment may result in malfunction.
- Do not tamper with the internal components. Doing so will terminate the product warranty and may cause damage. The main unit contains no user-serviceable parts.
- Do not scratch hard objects against the LCD display as this may cause damage.
- Take precautions when handling all battery types.
- Remove the batteries whenever you are planning to store the product for a long period of time.
- When replacing batteries, use new batteries as specified in this user manual.
- The product is a precision instrument. Never attempt to take this device apart. Contact the retailer or our customer service department if the product requires servicing.
- Do not touch the exposed electronic circuitry, as there is a danger of electric shock.
- Check all major functions if the device has not been used for a long time. Maintain regular internal testing and cleaning of your device. Have your watch serviced by an approved service center annually.
- When disposing of this product, do so in accordance with your local waste disposal regulations.
- Due to printing limitations, the displays shown in this manual may differ from the actual display.
- The contents of this manual may not be reproduced without the permission of the manufacturer.

NOTE The technical specifications for this product and the contents of the user manual are subject to change without notice.

L.L.BEAN GUARANTEE

Our products are guaranteed to give 100% satisfaction in every way. Return anything purchased from us at anytime if it proves otherwise. We do not want you to have anything from L.L. Bean that is not completely satisfactory.

The L.L. Bean 24hr customer service number is: 1-800-341-4341.